

DRILL HOLES

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BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with street lighting and interconnect at the intersection of MD 122 (Security Blvd) and Lord Baltimore Drive / Security Mall Entrance in Baltimore county. The Lord Baltimore Drive / Security Mall Entrance approaches shall be modified to operate as a side street split phase. MD 122 (Security Blvd) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the MD 122 (Security Blvd) approaches running concurrently. The Exclusive left turn phases for both approaches of MD 122 (Security Blvd) shall remain in operation. For side sampling stations shall continue to be provided for both legs of MD 122 (Security Blvd). The Lord Baltimore Drive / Security Mall Entrance approaches shall now operate as a side street split phase.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- All controller cabinet wiring will be performed by the S.H.A. Signal Shop.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete.

The contact persons for District #4 are as follows:

Mr. Randall Scott  
Assistant District Engineer - Traffic  
Phone: (410) 321-2781

Mr. Steve Marczewski  
Assistant District Engineer - Maintenance  
Phone: (410) 321-2761

Mr. Michael Pasquariello  
Assistant District Engineer - Utility  
Phone: (410) 321-2841

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Signal Shop  
410-787-7652

Mr. Sonny Bailey  
Sign Shop  
410-787-7670

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY CONTRACTOR

THERE IS NO EQUIPMENT TO BE FURNISHED / INSTALLED BY A CONTRACTOR.

C. EQUIPMENT TO BE REMOVED

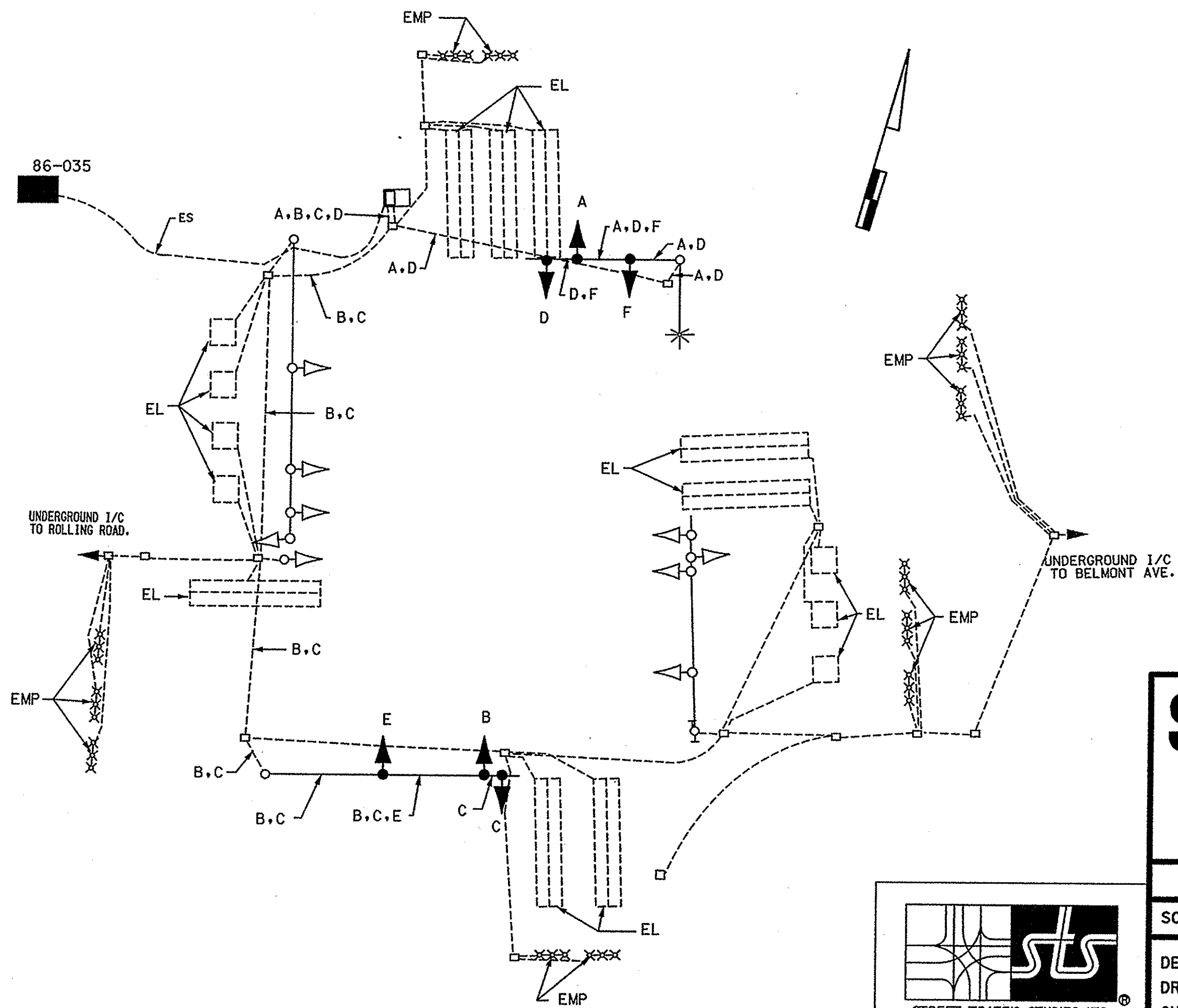
SHA SHALL REMOVE UNUSED WIRING. ALL SIGNAL MATERIALS REMOVED SHALL BECOME PROPERTY OF THE SHA.

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
←R	←R	R	R	←R	←R	←R	R	R	R	R	R	R	R	R
←Y	←Y	Y	Y	←Y	←Y	←Y	Y	Y	Y	Y	Y	Y	Y	Y
←G	←G	G	G	←G	←G	←G	G	G	G	G	G	G	G	G

PHASE 1 & 5	←G-	←G-	R	R	←G-	←G-	←G-	R	R	R	R	R	R	R
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6														
PHASE 1 & 6	←G-	←G-	G	G	←R-	←R-	←R-	R	R	R	R	R	R	R
1 & 6 CHANGE	←Y-	←Y-	G	G	←R-	←R-	←R-	R	R	R	R	R	R	R
PHASE 2 & 5	←R-	←R-	R	R	←G-	←G-	←G-	G	G	R	R	R	R	R
2 & 5 CHANGE	←R-	←R-	R	R	←Y-	←Y-	←Y-	G	G	R	R	R	R	R
PHASE 2 & 6	←R-	←R-	G	G	←R-	←R-	←R-	G	G	R	R	R	R	R
2 & 6 CHANGE	←R-	←R-	Y	Y	←R-	←R-	←R-	Y	Y	R	R	R	R	R
PHASE 3	←R-	←R-	R	R	←R-	←R-	←R-	R	R	R	R	R	R	R
3 CHANGE	←R-	←R-	R	R	←R-	←R-	←R-	R	R	R	R	R	R	R
PHASE 4	←R-	←R-	R	R	←R-	←R-	←R-	R	R	G	G	G	R	R
4 CHANGE	←R-	←R-	R	R	←R-	←R-	←R-	R	R	Y	Y	Y	R	R
FLASHING OPERATION	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/←R-	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY	
A	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
F	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
EMP	EXISTING MICROLOOP LEAD-IN CABLE
EL	LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES	EXISTING UNDERGROUND SERVICE TO BE MAINTAINED BY BGE

EQUIPMENT LIST	
A. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY S.H.A.	
DESCRIPTION	QUANTITY
Sheet aluminum signs to consist of: (mast arm mount)	15 SF
R3-5L "LEFT TURN ONLY" sign, (30" x 36")	1 EA
R3-6 "LEFT TURN AND THRU" sign, (30" x 36")	1 EA
Maintenance of traffic per assignment.	1 EA
12" LED signal head section.	16 EA
8" LED signal head section.	6 EA
Remove and dispose of existing material and equipment per assignment.	1 EA
Electrical cable - 5 conductor (No. 14 AWG).	60 L.F.
Electrical cable - 7 conductor (No. 14 AWG).	890 L.F.



<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
MD 122 (SECURITY BLVD) AND LORD BALTIMORE DR / SECURITY MALL ENTRANCE	
GENERAL INFORMATION SHEET	
SCALE NONE	DATE 12-18-2006 CONTRACT NO. SIGNAL SHOP
DESIGNED BY J. ALLEN JR.	COUNTY BALTIMORE
DRAWN BY R. C.	LOGMILE 03012200.15
CHECKED BY	TIMS NO. 1108
F.A.P. NO.	TOD NO.
TS NO. 4027F	DRAWING NO. 2 OF 2 SHEET NO. OF

PLOTTED: 8/24/2006  
FILE: 8/24/2006